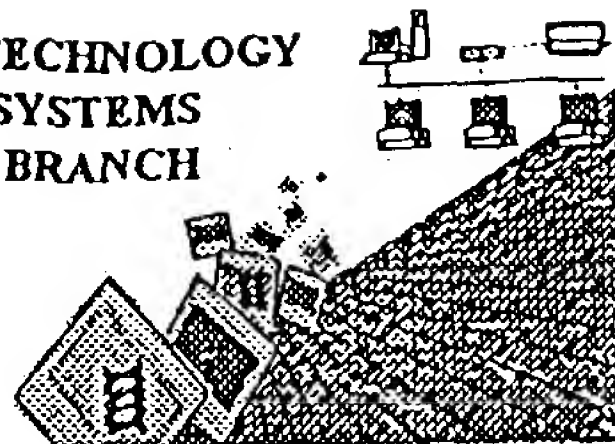


BIOTECHNOLOGY  
SYSTEMS  
BRANCH



RAW SEQUENCE LISTING  
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/539,992B

Source:

IFW16

Date Processed by STIC:

12/28/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box-1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):  
U.S. Patent and Trademark Office, 220 20<sup>th</sup> Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

## Raw Sequence Listing Error Summary

### ERROR DETECTED

### SUGGESTED CORRECTION

SERIAL NUMBER:

09/539,992B

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☐ Wrapped Nucleics  
    Wrapped Aminos     The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 ☒ Invalid Line Length     The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
- 3 ☐ Misaligned Amino  
    Numbering     The numbering under each 5<sup>th</sup> amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.
- 4 ☒ Non-ASCII     The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. Please **ensure your subsequent submission is saved in ASCII text**.
- 5 ☐ Variable Length     Sequence(s)        contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 ☐ PatentIn 2.0  
    "bug"     A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)       . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
- 7 ☐ Skipped Sequences  
    (OLD RULES)     Sequence(s)        missing. If intentional, please insert the following lines for each skipped sequence:  
                          (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                          (i)     SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
                          (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                          This sequence is intentionally skipped  
  
                          Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.
- 8 ☐ Skipped Sequences  
    (NEW RULES)     Sequence(s)        missing. If intentional, please insert the following lines for each skipped sequence.  
                          <210> sequence id number  
                          <400> sequence id number  
                          000
- 9 ☐ Use of n's or Xaa's  
    (NEW RULES)     Use of n's and/or Xaa's have been detected in the Sequence Listing.  
                          Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
                          In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 ☐ Invalid <213>  
    Response     Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence
- 11 ☐ Use of <220>     Sequence(s)        missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
                          (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 ☐ PatentIn 2.0  
    "bug"     Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 ☐ Misuse of n/Xaa     "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



IFW16

## RAW SEQUENCE LISTING

DATE: 12/28/2004

PATENT APPLICATION: US/09/539,992B

TIME: 12:45:24

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\12282004\I539992B.raw

*see items 2 and 4 on Error Summary Sheet*

4 <110> APPLICANT: Council of Scientific and Industrial Research  
 6 <120> TITLE OF INVENTION: A new and distinct somatoclonal variety of rose scented geranium parimal

8 &lt;130&gt; FILE REFERENCE: FP 00345

10 &lt;140&gt; CURRENT APPLICATION NUMBER: US 09/539,992B

12 &lt;141&gt; CURRENT FILING DATE: 2000-03-30

14 &lt;160&gt; NUMBER OF SEQ ID NOS: 13

16 &lt;170&gt; SOFTWARE: PatentIn version 3.1

18 &lt;210&gt; SEQ ID NO: 1

20 &lt;211&gt; LENGTH: 10

22 &lt;212&gt; TYPE: DNA

24 &lt;213&gt; ORGANISM: Artificial

W--&gt; 26 &lt;220&gt; FEATURE:

W--&gt; 26 &lt;223&gt; OTHER INFORMATION:

W--&gt; 26 &lt;400&gt; 1

27 gtgcaatcag

29 &lt;210&gt; SEQ ID NO: 2

31 &lt;211&gt; LENGTH: 10

33 &lt;212&gt; TYPE: DNA

35 &lt;213&gt; ORGANISM: Artificial

W--&gt; 37 &lt;220&gt; FEATURE:

W--&gt; 37 &lt;223&gt; OTHER INFORMATION:

W--&gt; 37 &lt;400&gt; 2

38 aggatacgtg

40 &lt;210&gt; SEQ ID NO: 3

42 &lt;211&gt; LENGTH: 10

44 &lt;212&gt; TYPE: DNA

46 &lt;213&gt; ORGANISM: Artificial

W--&gt; 48 &lt;220&gt; FEATURE:

W--&gt; 48 &lt;223&gt; OTHER INFORMATION:

W--&gt; 48 &lt;400&gt; 3

49 aagatagcgg

51 &lt;210&gt; SEQ ID NO: 4

53 &lt;211&gt; LENGTH: 10

55 &lt;212&gt; TYPE: DNA

57 &lt;213&gt; ORGANISM: Artificial

W--&gt; 60 &lt;220&gt; FEATURE:

W--&gt; 60 &lt;223&gt; OTHER INFORMATION:

W--&gt; 60 &lt;400&gt; 4

61 ggatctgaac

64 &lt;210&gt; SEQ ID NO: 5

66 &lt;211&gt; LENGTH: 10

68 &lt;212&gt; TYPE: DNA

70 &lt;213&gt; ORGANISM: Artificial

*pp 1-4*  
**Does Not Comply**  
**Corrected Diskette Needed**

*see p. 4 for error explanation (global errors)*

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## RAW SEQUENCE LISTING

DATE: 12/28/2004

PATENT APPLICATION: US/09/539,992B

TIME: 12:45:24

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\12282004\I539992B.raw

W--> 72 <220> FEATURE:  
W--> 72 <223> OTHER INFORMATION:  
W--> 72 <400> 5  
73 ttgtctcagg  
76 <210> SEQ ID NO: 6  
78 <211> LENGTH: 10  
80 <212> TYPE: DNA  
82 <213> ORGANISM: Artificial  
W--> 84 <220> FEATURE:  
W--> 84 <223> OTHER INFORMATION:  
W--> 84 <400> 6  
85 gtcctactcg  
88 <210> SEQ ID NO: 7  
90 <211> LENGTH: 10  
92 <212> TYPE: DNA  
94 <213> ORGANISM: Artificial  
W--> 97 <220> FEATURE:  
W--> 97 <223> OTHER INFORMATION:  
W--> 97 <400> 7  
98 tgcgcgatcg  
101 <210> SEQ ID NO: 8  
103 <211> LENGTH: 10  
105 <212> TYPE: DNA  
107 <213> ORGANISM: Artificial  
W--> 110 <220> FEATURE:  
W--> 110 <223> OTHER INFORMATION:  
W--> 110 <400> 8  
111 aacgtacgcg  
114 <210> SEQ ID NO: 9  
116 <211> LENGTH: 10  
118 <212> TYPE: DNA  
120 <213> ORGANISM: Artificial  
W--> 123 <220> FEATURE:  
W--> 123 <223> OTHER INFORMATION:  
W--> 123 <400> 9  
124 gcacgccgga  
127 <210> SEQ ID NO: 10  
129 <211> LENGTH: 10  
131 <212> TYPE: DNA  
133 <213> ORGANISM: Artificial  
W--> 136 <220> FEATURE:  
W--> 136 <223> OTHER INFORMATION:  
W--> 136 <400> 10  
137 caccctgcgc  
140 <210> SEQ ID NO: 11  
142 <211> LENGTH: 10  
144 <212> TYPE: DNA  
146 <213> ORGANISM: Artificial  
W--> 150 <220> FEATURE:

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/539,992B

DATE: 12/28/2004

TIME: 12:45:24

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\12282004\I539992B.raw

W--&gt; 150 &lt;223&gt; OTHER INFORMATION:

W--&gt; 150 &lt;400&gt; 11

151 ggactccacg

10

154 &lt;210&gt; SEQ ID NO: 12

156 &lt;211&gt; LENGTH: 10

158 &lt;212&gt; TYPE: DNA

160 &lt;213&gt; ORGANISM: Artificial

W--&gt; 164 &lt;220&gt; FEATURE:

W--&gt; 164 &lt;223&gt; OTHER INFORMATION:

W--&gt; 164 &lt;400&gt; 12

165 aagatagcgg

10

168 &lt;210&gt; SEQ ID NO: 13

170 &lt;211&gt; LENGTH: 10

172 &lt;212&gt; TYPE: DNA

174 &lt;213&gt; ORGANISM: Artificial

W--&gt; 177 &lt;220&gt; FEATURE:

W--&gt; 177 &lt;223&gt; OTHER INFORMATION:

W--&gt; 177 &lt;400&gt; 13

178 ctatcgccgc

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/539,992B

DATE: 12/28/2004  
TIME: 12:45:25

Input Set : A:\PTO.SR.txt  
Output Set: N:\CRF4\12282004\I539992B.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13

Use of <220> Feature(NEW RULES): *error explanation*

Sequence(s) are missing the <220> Feature and associated headings.

Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"  
or "Unknown". Please explain source of genetic material in <220> to <223>  
section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32)  
(Sec.1.823 of new Rules)

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/539,992B

DATE: 12/28/2004

TIME: 12:45:25

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\12282004\I539992B.raw

L:26 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:1, <213>  
 ORGANISM:Artificial  
 L:26 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:1, <213>  
 ORGANISM:Artificial  
 L:26 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:26  
 L:37 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:2, <213>  
 ORGANISM:Artificial  
 L:37 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:2, <213>  
 ORGANISM:Artificial  
 L:37 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:37  
 L:48 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:3, <213>  
 ORGANISM:Artificial  
 L:48 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:3, <213>  
 ORGANISM:Artificial  
 L:48 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:48  
 L:60 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:4, <213>  
 ORGANISM:Artificial  
 L:60 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:4, <213>  
 ORGANISM:Artificial  
 L:60 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:60  
 L:72 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:5, <213>  
 ORGANISM:Artificial  
 L:72 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:5, <213>  
 ORGANISM:Artificial  
 L:72 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:72  
 L:84 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:6, <213>  
 ORGANISM:Artificial  
 L:84 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:6, <213>  
 ORGANISM:Artificial  
 L:84 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:6,Line#:84  
 L:97 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:7, <213>  
 ORGANISM:Artificial  
 L:97 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:7, <213>  
 ORGANISM:Artificial  
 L:97 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:7,Line#:97  
 L:110 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:8, <213>  
 ORGANISM:Artificial  
 L:110 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:8, <213>  
 ORGANISM:Artificial  
 L:110 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:8,Line#:110  
 L:123 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:9, <213>  
 ORGANISM:Artificial  
 L:123 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:9, <213>  
 ORGANISM:Artificial  
 L:123 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:9,Line#:123  
 L:136 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:10, <213>  
 ORGANISM:Artificial  
 L:136 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:10, <213>  
 ORGANISM:Artificial  
 L:136 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:10,Line#:136  
 L:150 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:11, <213>  
 ORGANISM:Artificial  
 L:150 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:11, <213>

ORGANISM:Artificial

L:150 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11,Line#:150

L:164 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:12, <213>

ORGANISM:Artificial

L:164 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:12, <213>

ORGANISM:Artificial

L:164 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:12,Line#:164

L:177 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:13, <213>

ORGANISM:Artificial

L:177 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:13, <213>

ORGANISM:Artificial

L:177 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:13,Line#:177